CLAIMS

A construction panel comprising:

What is claimed is:

1	1. A construction panel comprising:
2	(a) an upper portion; and
3	(b) a lower portion, said lower portion comprising a plurality of
4	vertically extending members wherein each of said vertically extending member is
5	an appropriate size and shape to provide the appearance of a shingle, shake or a tile;
6	wherein the panel is constructed of a material comprising a natural
7	fiber and a synthetic polymer.
1	2. The panel of claim 1 wherein the plurality of members have
2	non-uniform width, non-uniform length, or both non-uniform width and non-
3	uniform length.
1	The panel of claim 1, wherein the plurality of vertically
2	extending members further comprise non-uniform lower edges.
1	4. The panel of claim 1, wherein the lower portion of the panel
2	further comprises a textured surface.
1	5. The panel of claim 4, wherein the textured surface replicates
2	the appearance of a material selected from the group consisting of wood, clay,
3	ceramic, slate, tile and combinations thereof.
1	6. The panel of claim 1, wherein the fiber is a natural plant
2	fiber.

1	7. The panel of claim 6, wherein the fiber is selected from the
2	group consisting of wood flour, sugar cane bagasse, hemp, coconut coir, jute,
3	kenaf, sisal, flax, coir pith, rice-hulls and cotton, and combinations thereof.
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1	8. The panel of claim 1, wherein the polymeric material is
2	polyethylene, polypropylene and combinations thereof.
1	9. The panel of claim 8 wherein the polyethylene is selected
2	from low density polyethylene, high density polyethylene, linear low density
3	polyethylene and linear high density polyethylene.
1	10. The panel of claim 1 wherein adjacent members of the
2	plurality of vertically extending members are connected together by a web of
3	material.
1	11. A construction panel, comprising:
2	(a) from about 40 percent to 75 percent natural fiber;
<i>L</i>	(a) from about to percent to 75 percent interest 120 mg
3	(b) from about 20 percent to 60 percent of a polymeric material;
4	(c) up to about 3 percent coupling agent;
5	(d) up to about 1 percent of UV stabilizer;
6	(e) up to about 0.5 percent antioxidant;
. 7	(f) up to about 2 percent pigment;
8	(g) up to about 5 percent fungicide; and
9	(h) up to about 20 percent flame retardant.
1	12. The panel of claim 11, wherein the construction panel has an
2	impact rating of class 3 or 4 under UL standard 2218.
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	1	13. The panel of claim 11, wherein the fiber is a natural plant
	2	fiber.
	1	14. The panel of claim 13, wherein the fiber is selected from the
	2	group consisting of wood flour, sugar cane bagasse, hemp, coconut coir, jute,
	3	kenaf, sisal, flax, coir pith, rice-hulls and cotton, and combinations thereof.
	1	15. The panel of claim 11, wherein the polymeric material is
	2	polyethylene, polypropylene and combinations thereof.
F. 17	1	16. The panel of claim 15 wherein the polyethylene is selected
1	2	from low density polyethylene, high density polyethylene, linear low density
	3	polyethylene and linear high density polyethylene.
News Your II is said and that that that the	1	17. A method of manufacturing a construction panel, comprising
ill in	2	(a) mixing:
nor than	3	(i) from about 40 percent to 75 percent natural fiber;
H" And And Jun July jud	4	(ii) from about 20 percent to 60 percent of a polymeric material;
	5	(iii) up to about 3 percent coupling agent;
	6	(iv) up to about 1 percent of UV stabilizer;
	7	(v) up to about 0.5 percent heat stabilizer;
	8	(vi) up to about 1 percent colorant;
	9	(vii) up to about 5 percent fungicide; and
	10	(viii) up to about 20 percent flame retardant;
	11	to form a homogenous mixture;
	12	(b) placing the homogenous mixture in an open mold in the shape of
	13	a construction panel; and

14	(c) molding the homogenous mixture into a construction panel by
15	compressing the homogenous mixture into the mold.
1	18. The method of claim 17 wherein said mold comprises a die
2	for forming:
3	(i) an upper portion; and
4	(ii) a lower portion, said lower portion comprising a plurality of
5	vertically extending members wherein each of said vertically extending member is
6	an appropriate size and shape to provide the appearance of a shingle, shake or a tile.